

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/538,066
Source: PGT/10
Date Processed by STIC: 6/16/05

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/538,066

DATE: 06/16/2005

TIME: 10:17:14

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\06162005\J538066.raw

3 <110> APPLICANT: Epimmune Inc.
 5 <120> TITLE OF INVENTION: HLA-A1, -A2, -A3, -A24, -B7, and -B44 Tumor Associated
 Antigen
 6 Peptides and Compositions
 8 <130> FILE REFERENCE: 2060.015PC06
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/538,066
 C--> 11 <141> CURRENT FILING DATE: 2005-06-09
 13 <150> PRIOR APPLICATION NUMBER: US 60/432,017
 14 <151> PRIOR FILING DATE: 2002-12-10
 16 <160> NUMBER OF SEQ ID NOS: 767
 18 <170> SOFTWARE: PatentIn version 3.2
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 10
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1
 27 Val Leu Tyr Gly Pro Asp Ala Pro Thr Val
 28 1 5 10
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 9
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Homo sapiens
 36 <400> SEQUENCE: 2
 38 Tyr Leu Ser Gly Ala Asn Leu Asn Val
 39 1 5
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 9
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Homo sapiens
 47 <400> SEQUENCE: 3
 49 Ala Thr Val Gly Ile Met Ile Gly Val
 50 1 5
 53 <210> SEQ ID NO: 4
 54 <211> LENGTH: 11
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Homo sapiens
 58 <400> SEQUENCE: 4
 60 Leu Leu Pro Glu Asn Asn Val Leu Ser Pro Val
 61 1 5 10
 64 <210> SEQ ID NO: 5
 65 <211> LENGTH: 9
 66 <212> TYPE: PRT
 67 <213> ORGANISM: Homo sapiens
 69 <400> SEQUENCE: 5

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Input Set : A:\Sequence Listing.txt
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71 Lys Leu Cys Pro Val Gln Leu Trp Val
72 1 5
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 9
77 <212> TYPE: PRT
78 <213> ORGANISM: Homo sapiens
80 <220> FEATURE:
81 <221> NAME/KEY: misc_feature
82 <222> LOCATION: (3)..(3)
83 <223> OTHER INFORMATION: Xaa = alpha-amino butyric acid
85 <400> SEQUENCE: 6
W--> 87 Lys Leu Xaa Pro Val Gln Leu Trp Val
88 1 5
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 9
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 7
98 Ser Leu Pro Pro Pro Gly Thr Arg Val
99 1 5
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 9
104 <212> TYPE: PRT
105 <213> ORGANISM: Homo sapiens
107 <400> SEQUENCE: 8
109 Ser Met Pro Pro Pro Gly Thr Arg Val
110 1 5
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 9
115 <212> TYPE: PRT
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 9
120 Lys Leu Phe Gly Ser Leu Ala Phe Val
121 1 5
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 9
126 <212> TYPE: PRT
127 <213> ORGANISM: Homo sapiens
129 <400> SEQUENCE: 10
131 Lys Val Phe Gly Ser Leu Ala Phe Val
132 1 5
135 <210> SEQ ID NO: 11
136 <211> LENGTH: 10
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
140 <400> SEQUENCE: 11
142 Val Met Ala Gly Val Gly Ser Pro Tyr Val
143 1 5 10
146 <210> SEQ ID NO: 12

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Input Set : A:\Sequence Listing.txt
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147 <211> LENGTH: 9
148 <212> TYPE: PRT
149 <213> ORGANISM: Homo sapiens
151 <400> SEQUENCE: 12
153 Ala Leu Cys Arg Trp Gly Leu Leu Leu
154 1 5
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 9
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 13
164 Phe Leu Trp Gly Pro Arg Ala Leu Val
165 1 5
168 <210> SEQ ID NO: 14
169 <211> LENGTH: 9
170 <212> TYPE: PRT
171 <213> ORGANISM: Homo sapiens
173 <400> SEQUENCE: 14
175 His Leu Tyr Gln Gly Cys Gln Val Val
176 1 5
179 <210> SEQ ID NO: 15
180 <211> LENGTH: 9
181 <212> TYPE: PRT
182 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 15
186 Ile Leu His Asn Gly Ala Tyr Ser Leu
187 1 5
190 <210> SEQ ID NO: 16
191 <211> LENGTH: 9
192 <212> TYPE: PRT
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 16
197 Ile Met Ile Gly Val Leu Val Gly Val
198 1 5
201 <210> SEQ ID NO: 17
202 <211> LENGTH: 9
203 <212> TYPE: PRT
204 <213> ORGANISM: Homo sapiens
206 <400> SEQUENCE: 17
208 Lys Ile Phe Gly Ser Leu Ala Phe Leu
209 1 5
212 <210> SEQ ID NO: 18
213 <211> LENGTH: 9
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
217 <400> SEQUENCE: 18
219 Lys Val Ala Glu Leu Val His Phe Leu
220 1 5
223 <210> SEQ ID NO: 19

RAW SEQUENCE LISTING

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Input Set : A:\Sequence Listing.txt

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224 <211> LENGTH: 9
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 19
230 Leu Leu Thr Phe Trp Asn Pro Pro Val
231 1 5
234 <210> SEQ ID NO: 20
235 <211> LENGTH: 10
236 <212> TYPE: PRT
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 20
241 Leu Val Phe Gly Ile Glu Leu Met Glu Val
242 1 5 10
245 <210> SEQ ID NO: 21
246 <211> LENGTH: 11
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <400> SEQUENCE: 21
252 Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val
253 1 5 10
256 <210> SEQ ID NO: 22
257 <211> LENGTH: 9
258 <212> TYPE: PRT
259 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 22
263 Arg Leu Leu Gln Glu Thr Glu Leu Val
264 1 5
267 <210> SEQ ID NO: 23
268 <211> LENGTH: 9
269 <212> TYPE: PRT
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 23
274 Val Val Leu Gly Val Val Phe Gly Ile
275 1 5
278 <210> SEQ ID NO: 24
279 <211> LENGTH: 10
280 <212> TYPE: PRT
281 <213> ORGANISM: Homo sapiens
283 <400> SEQUENCE: 24
285 Tyr Leu Gln Leu Val Phe Gly Ile Glu Val
286 1 5 10
289 <210> SEQ ID NO: 25
290 <211> LENGTH: 10
291 <212> TYPE: PRT
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 25
296 Tyr Met Ile Met Val Lys Cys Trp Met Ile
297 1 5 10
300 <210> SEQ ID NO: 26

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Input Set : A:\Sequence Listing.txt
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301 <211> LENGTH: 14
302 <212> TYPE: PRT
303 <213> ORGANISM: Clostridium tetani
305 <400> SEQUENCE: 26
307 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
308 1 5 10
311 <210> SEQ ID NO: 27
312 <211> LENGTH: 21
313 <212> TYPE: PRT
314 <213> ORGANISM: Plasmodium falciparum
316 <400> SEQUENCE: 27
318 Asp Ile Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe
319 1 5 10 15
322 Asn Val Val Asn Ser
323 20
326 <210> SEQ ID NO: 28
327 <211> LENGTH: 16
328 <212> TYPE: PRT
329 <213> ORGANISM: Streptococcus sp.
331 <400> SEQUENCE: 28
333 Gly Ala Val Asp Ser Ile Leu Gly Gly Val Ala Thr Tyr Gly Ala Ala
334 1 5 10 15
337 <210> SEQ ID NO: 29
338 <211> LENGTH: 13
339 <212> TYPE: PRT
340 <213> ORGANISM: Unknown
342 <220> FEATURE:
343 <223> OTHER INFORMATION: PADRE peptide
346 <220> FEATURE:
347 <221> NAME/KEY: misc_feature
348 <222> LOCATION: (1)..(1)
349 <223> OTHER INFORMATION: May be L- or D-Alanine
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <222> LOCATION: (3)..(3)
354 <223> OTHER INFORMATION: Xaa may be Cyclohexylalanine, Phe or Tyr
356 <220> FEATURE:
357 <221> NAME/KEY: misc_feature
358 <222> LOCATION: (7)..(7)
359 <223> OTHER INFORMATION: Xaa may be Trp, Tyr, His or Asn
361 <220> FEATURE:
362 <221> NAME/KEY: misc_feature
363 <222> LOCATION: (13)..(13)
364 <223> OTHER INFORMATION: May be L- or D-Alanine
366 <220> FEATURE:
367 <221> NAME/KEY: misc_feature
368 <222> LOCATION: (13)..(13)
369 <223> OTHER INFORMATION: May be amidated
371 <400> SEQUENCE: 29

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/16/2005
PATENT APPLICATION: US/10/538,066 TIME: 10:17:15

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\06162005\J538066.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos / 3 /
Seq#:29; Xaa Pos. 1,7
Seq#:30; Xaa Pos. 3
Seq#:34; Xaa Pos. 3
Seq#:37; Xaa Pos. 3
Seq#:40; Xaa Pos. 3
Seq#:108; Xaa Pos. 1
Seq#:109; Xaa Pos. 1
Seq#:116; Xaa Pos. 5
Seq#:118; Xaa Pos. 3
Seq#:119; Xaa Pos. 3
Seq#:120; Xaa Pos. 3
Seq#:122; Xaa Pos. 3
Seq#:123; Xaa Pos. 3
Seq#:766; Xaa Pos. 1,5,6,8,9
Seq#:767; Xaa Pos. 1,3,5,6,7

VERIFICATION SUMMARY**PATENT APPLICATION: US/10/538,066****DATE: 06/16/2005****TIME: 10:17:15****Input Set : A:\Sequence Listing.txt****Output Set: N:\CRF4\06162005\J538066.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:0
L:1323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:0
L:1405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0
L:1432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0
L:1448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0
L:1464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:0
L:1491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0
L:1507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:0
L:4133 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (362) SEQUENCE:
L:8209 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (666) SEQUENCE:
L:8326 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (677) SEQUENCE:
L:9900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:766 after pos.:0
L:9935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:767 after pos.:0